Yan Naing Aung

Email   LinkedIn   GitHub   San Francisco, CA

PROFESSIONAL SUMMARY

Yan is a data-driven professional with expertise in financial operations, data science, and machine learning algorithms; Yan leverages technical skills to deliver actionable insights and optimize decision-making.

PROFESSIONAL EXPERIENCE

Staff Accountant, Opendoor, San Francisco, CA   **February 2022 – July 2022**

- Performed monthly bank reconciliation for multiple treasury accounts consisting of over $100 million.
- Prepared journal entries for over 20 business accounts and reconciled accounts via NetSuite during monthly closing.
- Collaborated with the cross-functional teams in analyzing and reporting variances to managers, helping improve closing time by 15%.

Accountant, Protiviti, Los Angeles, CA   **April 2021 – December 2021**

- Managed and accurately distributed over $200 million in emergency rental relief funds with the Housing Rights Center under City of Los Angeles, ensuring regulatory compliance and timely assistance for applicants.
- Streamlined payment calculations for variable monthly amounts using advanced Excel functions, contributing to processing over 5,000 applications.
- Collaborated with interdepartmental teams to rectify accounting discrepancies across a cloud-based platform.

PROJECTS

Causal Inference to Determine Efficacy of a Premium Feature on Users, San Francisco, CA   **October 2023 – May 2024**

- Conducted comprehensive statistical analysis on the performance data of 3,750 golfers using OLS linear regression to evaluate the impact of a paid premium app feature on handicap improvement using multiple Python data science libraries.
- Implemented advanced data preprocessing techniques, including KNN Imputation, to effectively handle missing values, preserving 40% of the dataset.
- Analyzed and visualized the distribution of average scores to par before and after subscription, providing insights into the efficacy of the premium feature.

Building Classification Models on Imbalanced Dataset, San Francisco, CA   **January 2023 – May 2023**

- Utilized Pandas, NumPy, Pyplot and multiple Scikit-learn packages to clean, visualize, analyze, and train ML models.
- Implemented data preprocessing methods to split (train/test), balance (SMOTE), and scale the dataset.
- Refined the dataset to exclude outliers and refit best performing models with the best hyperparameters.
- Achieved F1 Score of 83.1 on the best performing model via hyperparameter tuning with GridSearchCV.

Marginal Effect Analysis on a Consumer Product, San Francisco, CA   **October 2022 – December 2022**

- Used Python to determine the effects of five sustainability factors on consumers' willingness to pay via logistic regression, log-likelihood function, representative utility, and multinomial regression.
- Derived marginal effects of multinomial regression at different price points to highlight relevant determinants.
- Computed an increase in willingness to pay by an average of $2.52 via the weighted average method.

EDUCATION

University of San Francisco, San Francisco, CA   **August 2024 - June 2025**
Master of Science (MS): Data Science
University of San Francisco, San Francisco, CA   **August 2022 - May 2024**
Master of Science (MS): Applied Economics

- *Honors:* Full-Time MSAE Merit Scholarship (awarded to top 10 students in the program)
- *Activities:* Graduate Teaching Assistant (ECON 111 and ECON 112)

University of California, Davis, Davis, CA   **September 2017 - December 2020**
Bachelor of Science (BS): Managerial Economics (Business Economics); Minor: Technology Management

VOLUNTEERING

St Jude's Children Research Hospital, Davis, CA.   **September 2018 – December 2019**

- Planned, led, and facilitated committee meetings, as well as created and circulated agendas to committee leaders.
- Administered all event committee's business and policies, including managing a budget of $2,000.
- Fundraised over $10,000 through week-long campus wide philanthropy events.

CERTIFICATION & SKILLS

Certificates & Licenses: SQL for Data Science (UC Davis), Data Analysis Proficiency Badge (University of San Francisco)
Technical Skills: Python, Unix, SQL, Tableau, R, Stata, Qualtrics, FloQast, Mode Analytics, NetSuite
Language Skills: English (Native Proficiency), Burmese (Native Proficiency)